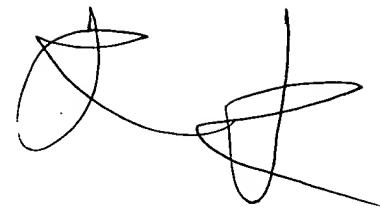


US-PAT-NO: **5408196**



DOCUMENT-IDENTIFIER: US 5408196 A

TITLE: Tunable device

----- **KWIC** -----

Detailed Description Text - DETX (12):

In another example, the front end 11 comprises the local oscillator and mixer, the band-pass filter 12 being an intermediate frequency filter, which itself is not tunable. In this case, the tunable circuit 13 may for example, comprise a further local oscillator or a further filter with a tunable further passband. In case of a further local oscillator, the tuning signal for example adjusts the oscillation frequency to lie in the passband of the band-pass filter 12 or at a predetermined offset from this passband. In case of the further filter, the tuning signal controls the position of the further passband to match the frequencies passed by the band-pass filter 12.